Is your Institution :

Answered: 54   Skipped: 0
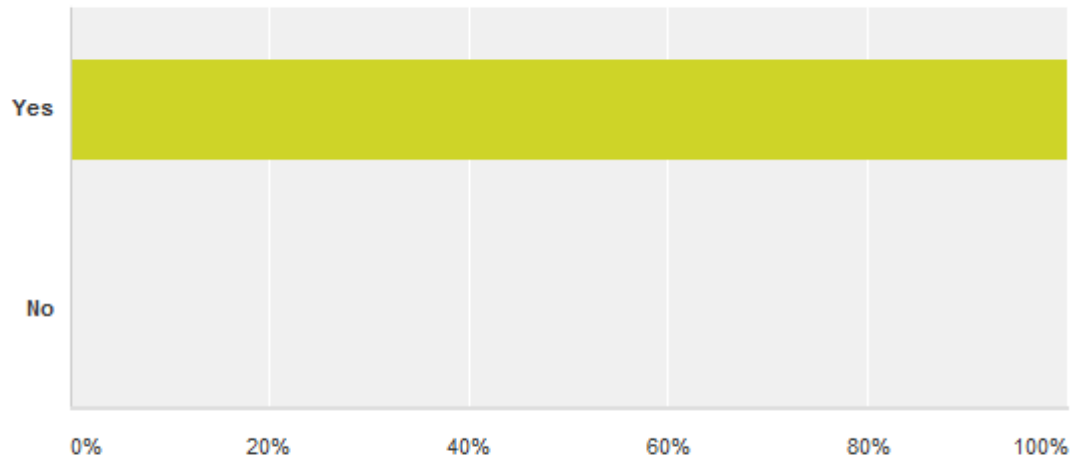

Answer Choices	▼	Responses	▼
A university hospital		83.33%	45
A private hospital		11.11%	6
Other type of hospital		5.56%	3
Total			54

Comments (46)

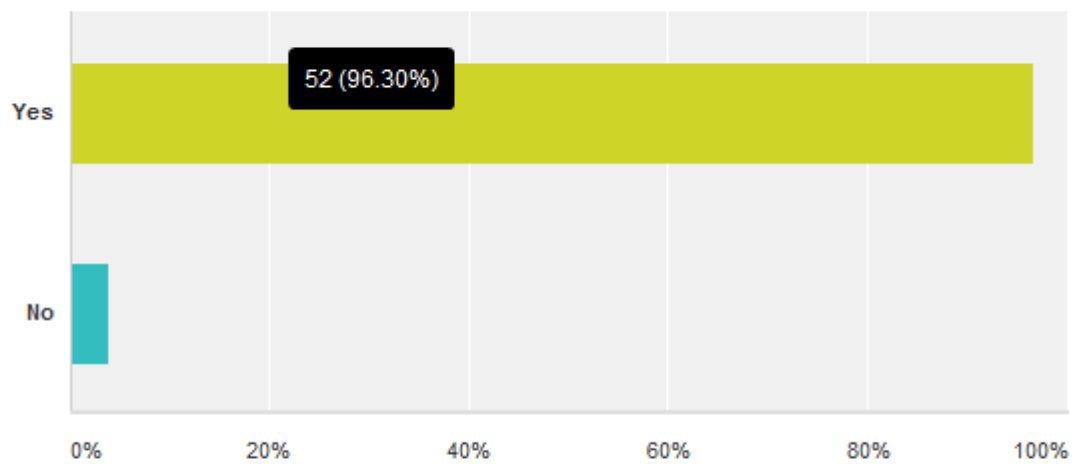# Would you be comfortable if we acknowledge your centre in the Europace Journal and on the Website ?

Answered: 54   Skipped: 0

Answer Choices	Responses	
Yes	100%	54
No	0%	0
Total		54

Do you have cardiac surgery at your institution ?

Answered: 54   Skipped: 0

Answer Choices	Responses	
Yes	96.30%	52
No	3.70%	2
Total		54

Number of implantations (sum of new implants and replacements) at your institution last calendar year:
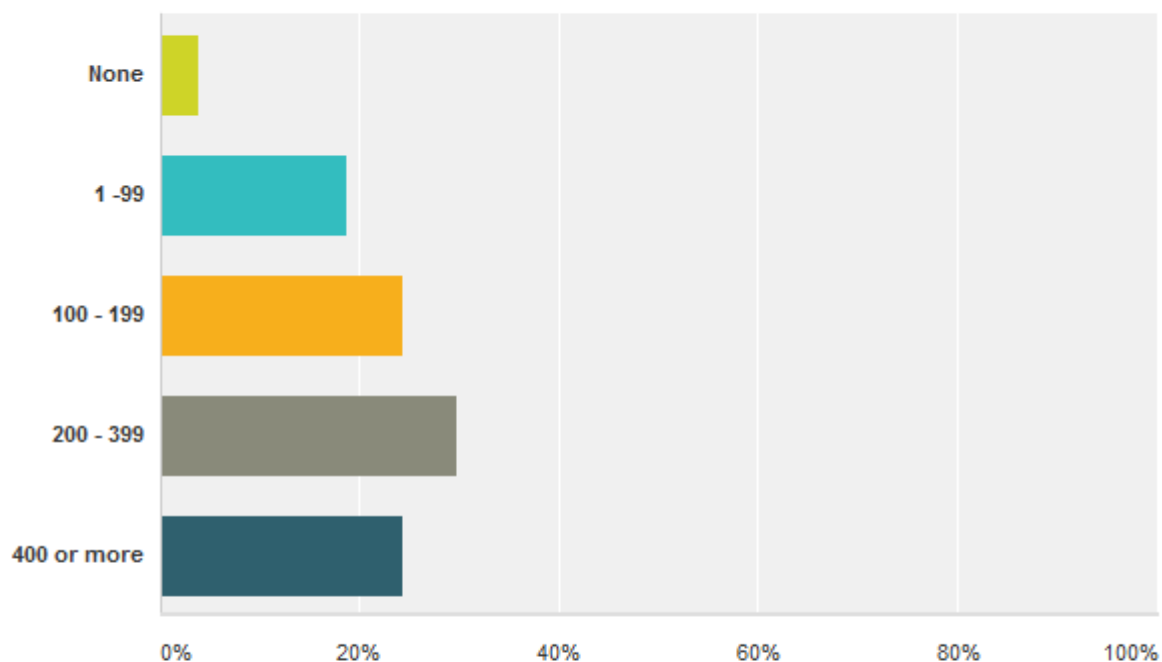
Answered: 54   Skipped: 0
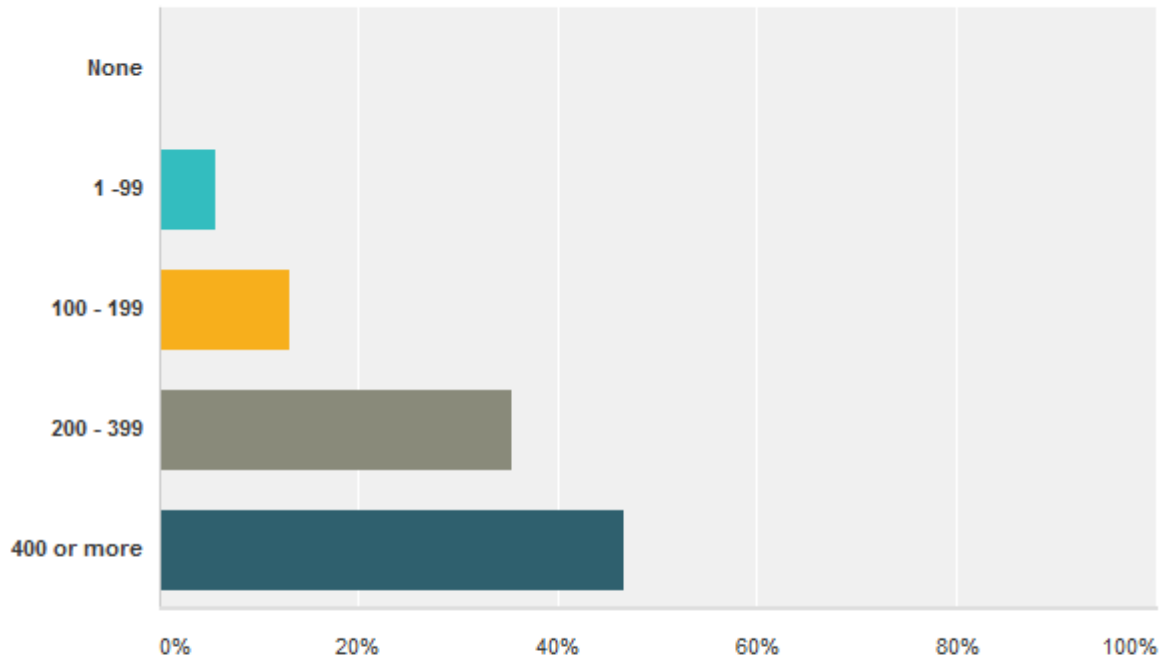
Answer Choices	Responses	
None	0%	0
1 -99	5.56%	3
100 - 199	12.96%	7
200 - 399	35.19%	19
400 or more	46.30%	25
Total		54

Total Number of catheter ablations (all types of arrhythmia) at your institution last calendar year:
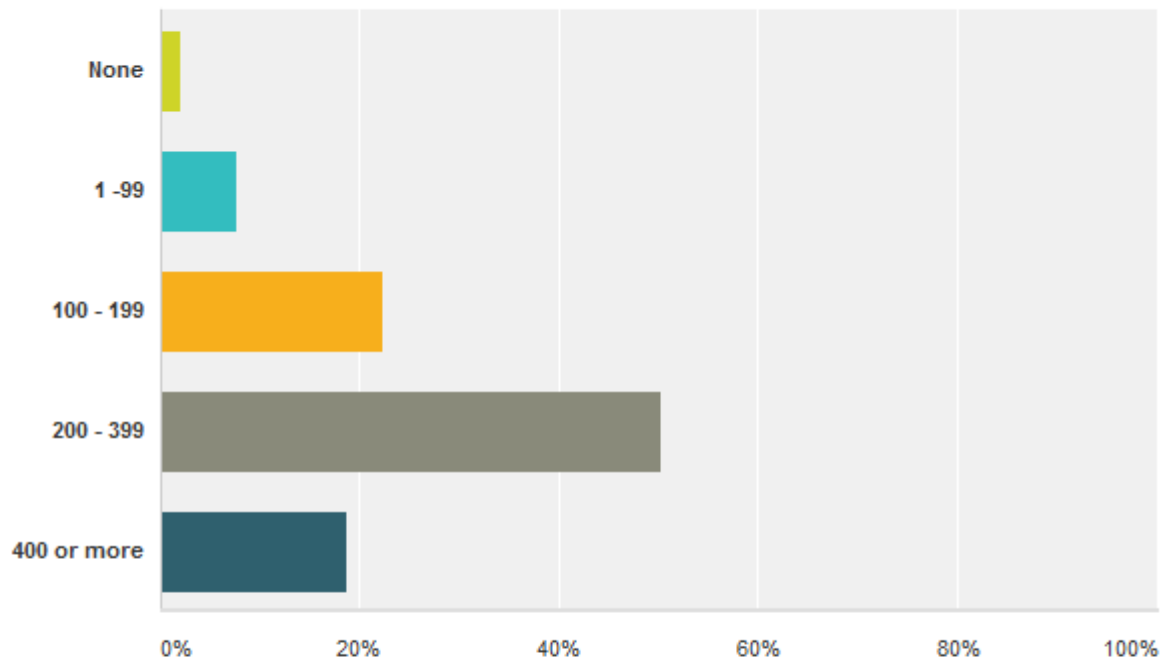
Answered: 54   Skipped: 0

Answer Choices	Responses	
None	3.70%	2
1 -99	18.52%	10
100 - 199	24.07%	13
200 - 399	29.63%	16
400 or more	24.07%	13
Total		54

Number of Pacemaker implantations (Including CRT-Ps) at your institution (including box changes) last calendar year:
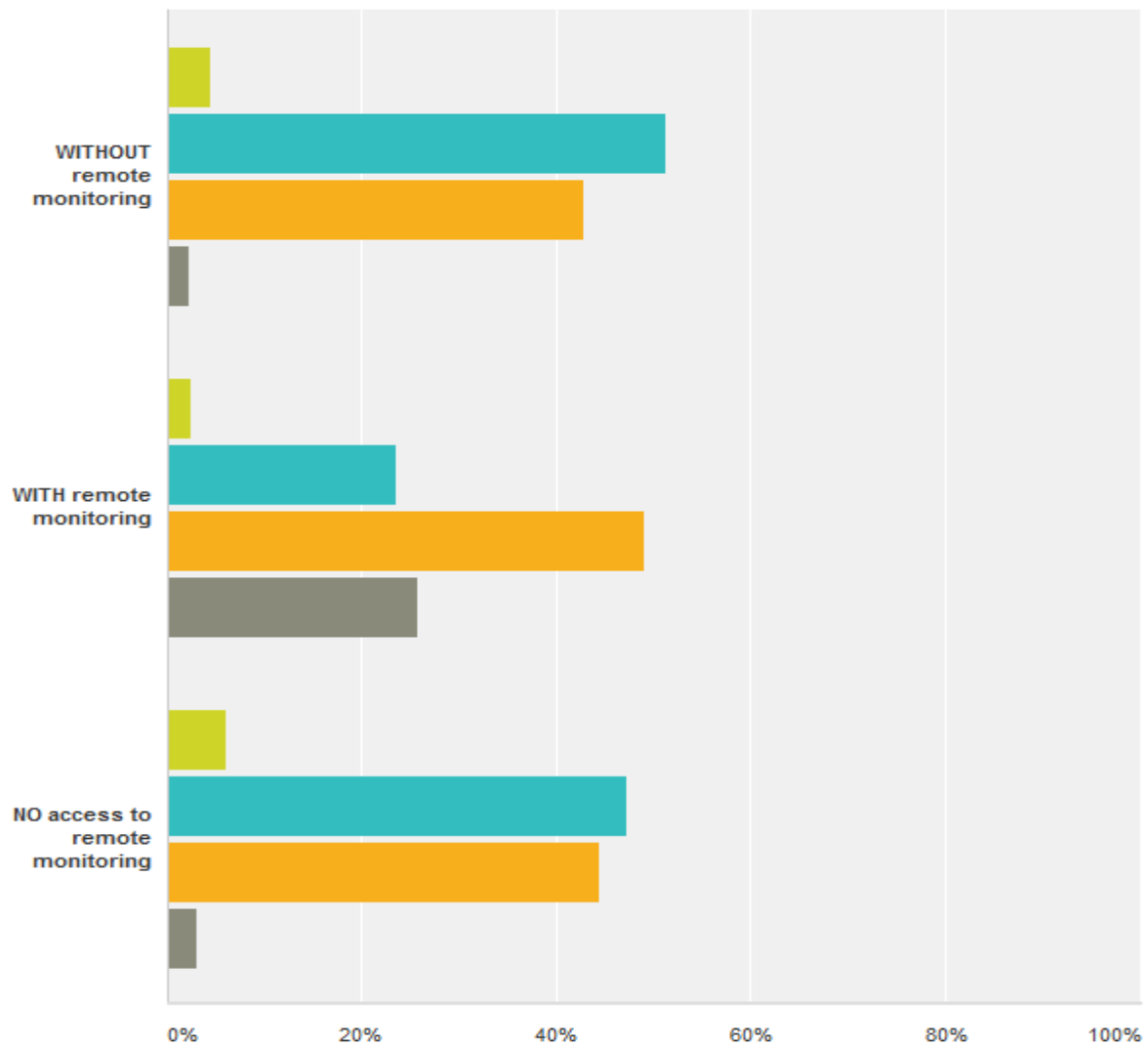
Answered: 54   Skipped: 0

Answer Choices	Responses	
None	1.85%	1
1 -99	7.41%	4
100 - 199	22.22%	12
200 - 399	50%	27
400 or more	18.52%	10
Total		54

How frequent are your patients with a cardiac device routinely checked at your institution (face to face visit at doctors office) for the purpose of controlling the devices?. Please thick the box that suits you best.

Answered: 51   Skipped: 3

Every 3 months ▮ Every 6 months ▮ Every 12 months ▮ Less frequently than once yearly

	Every 3 months	Every 6 months	Every 12 months	Less frequently than once yearly	Total
WITHOUT remote monitoring	4.26% 2	51.06% 24	42.55% 20	2.13% 1	47
WITH remote monitoring	2.33% 1	23.26% 10	48.84% 21	25.58% 11	43
NO access to remote monitoring	5.88% 2	47.06% 16	44.12% 15	2.94% 1	34

Is your Institution actively using the alert systems of remote monitoring such as alert coming via email, fax, SMS, etc …?
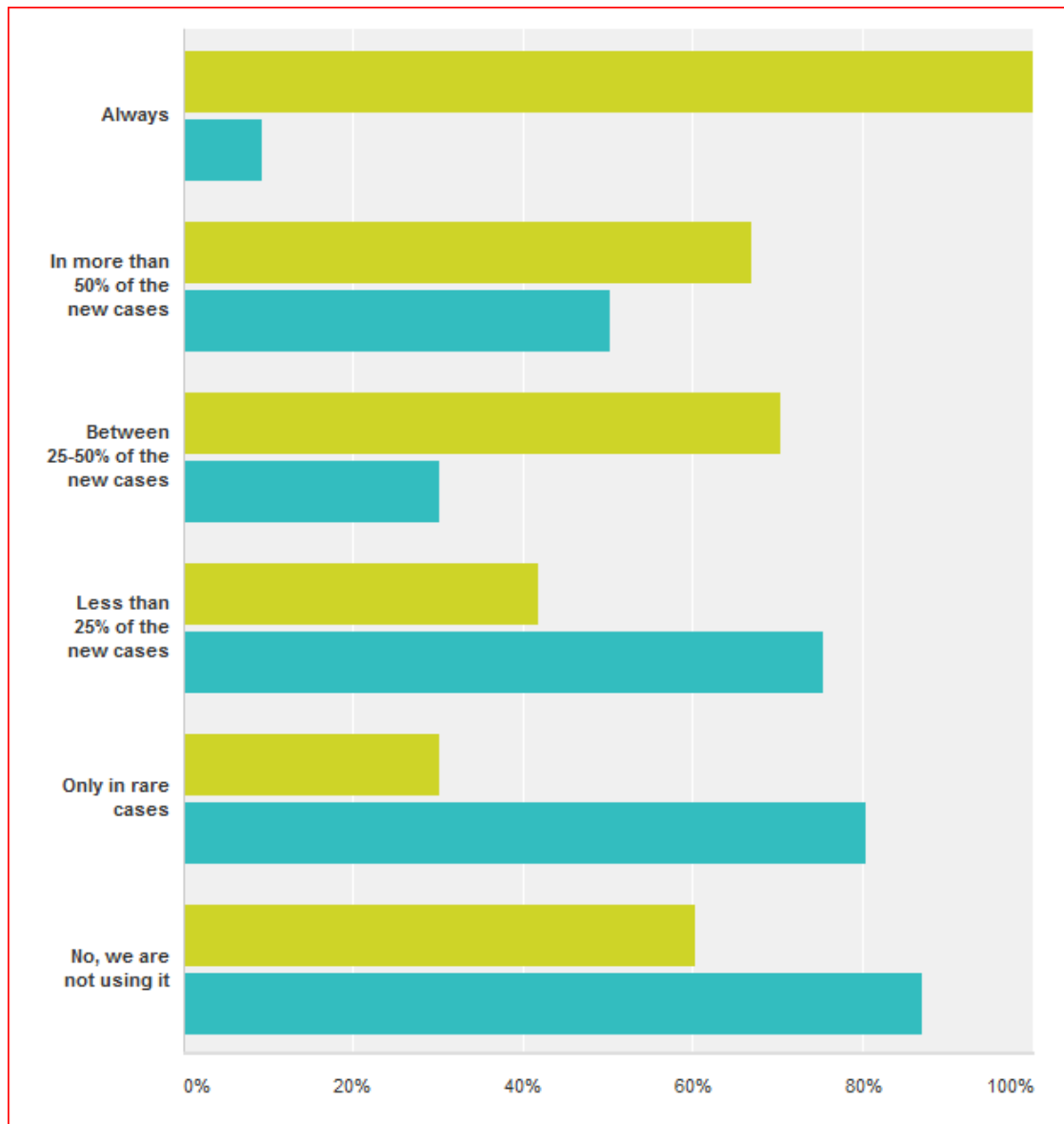
Answered: 51   Skipped: 3
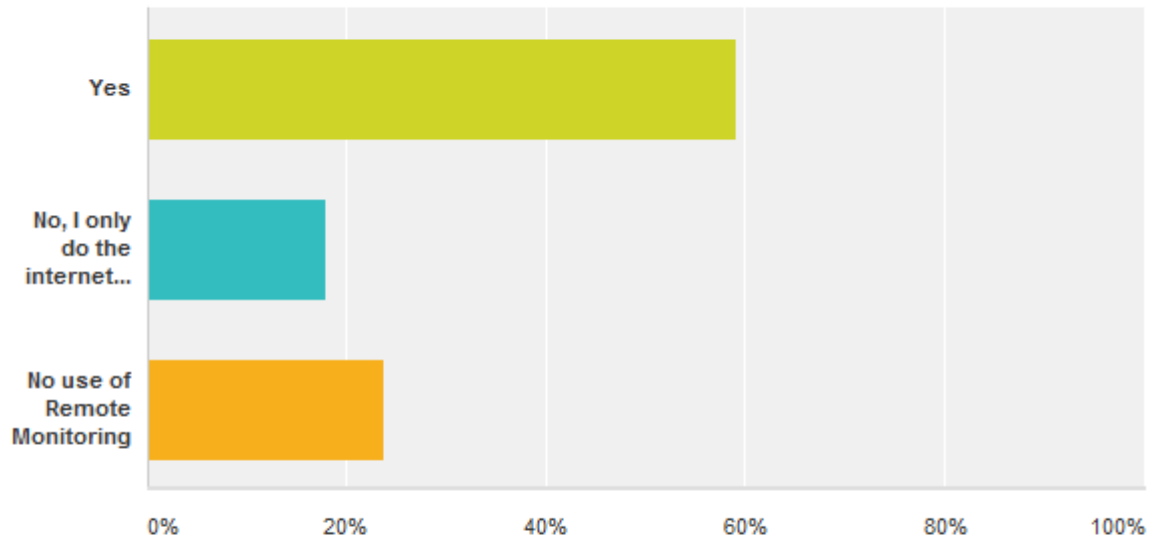
Answer Choices	Responses	
Yes	58.82%	30
No, I only do the internet check up at predefined intervals	17.65%	9
No use of Remote Monitoring	23.53%	12
Total		51

Does your institution use remote monitoring whenever available for the devices implants? (More than 1 option per column.)

Answered: 51   Skipped: 3

	For ICD	FOR Pacemaker	Total Respondents
Always	100% 22	9.09% 2	24
In more than 50% of the new cases	66.67% 4	50% 3	7
Between 25-50% of the new cases	70% 7	30% 3	10
Less than 25% of the new cases	41.67% 5	75% 9	14
Only in rare cases	30% 6	80% 16	22
No, we are not using it	60% 9	86.67% 13	22

■ For ICD   ■ FOR Pacemaker

# At your institution the information provided by remote monitoring is available for

Answered: 47   Skipped: 7
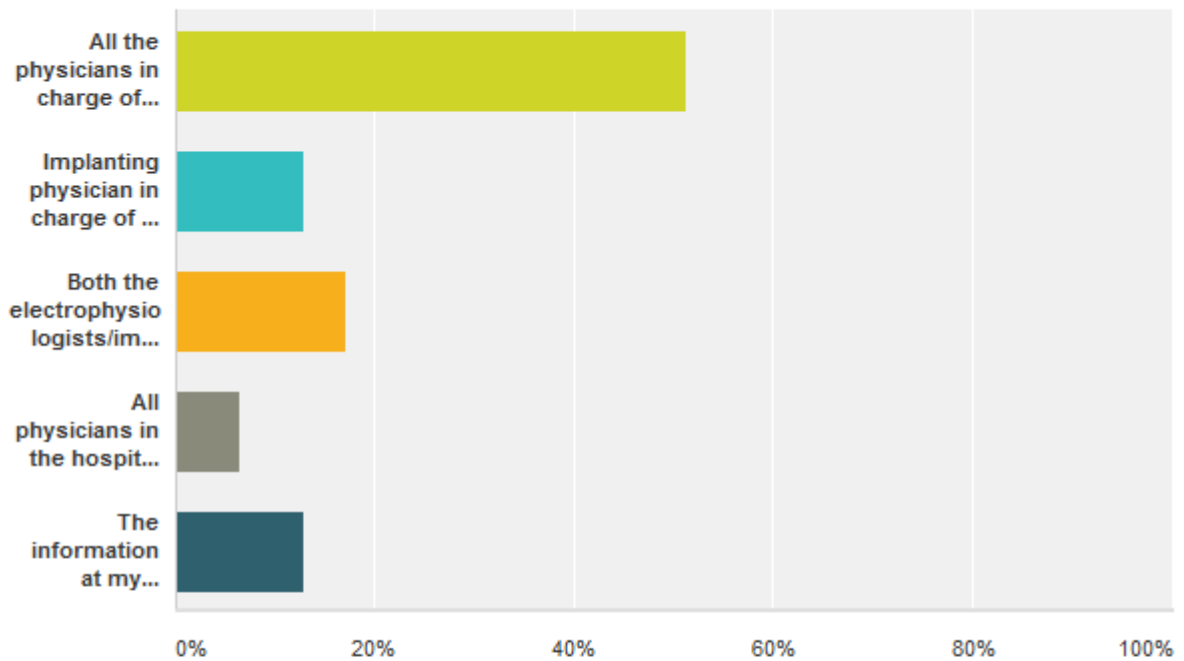
Answer Choices	Responses	
All the physicians in charge of arrhythmias	51.06%	24
Implanting physician in charge of the patient only	12.77%	6
Both the electrophysiologists/implanting physicians and heart failure specialist	17.02%	8
All physicians in the hospital, because the information is incorporated in the clinical patient file	6.38%	3
The information at my hospital is not shared, apart from specific cases	12.77%	6
Total		47

What is the workflow for remote monitoring used at your hospital ?

Answered: 51   Skipped: 3
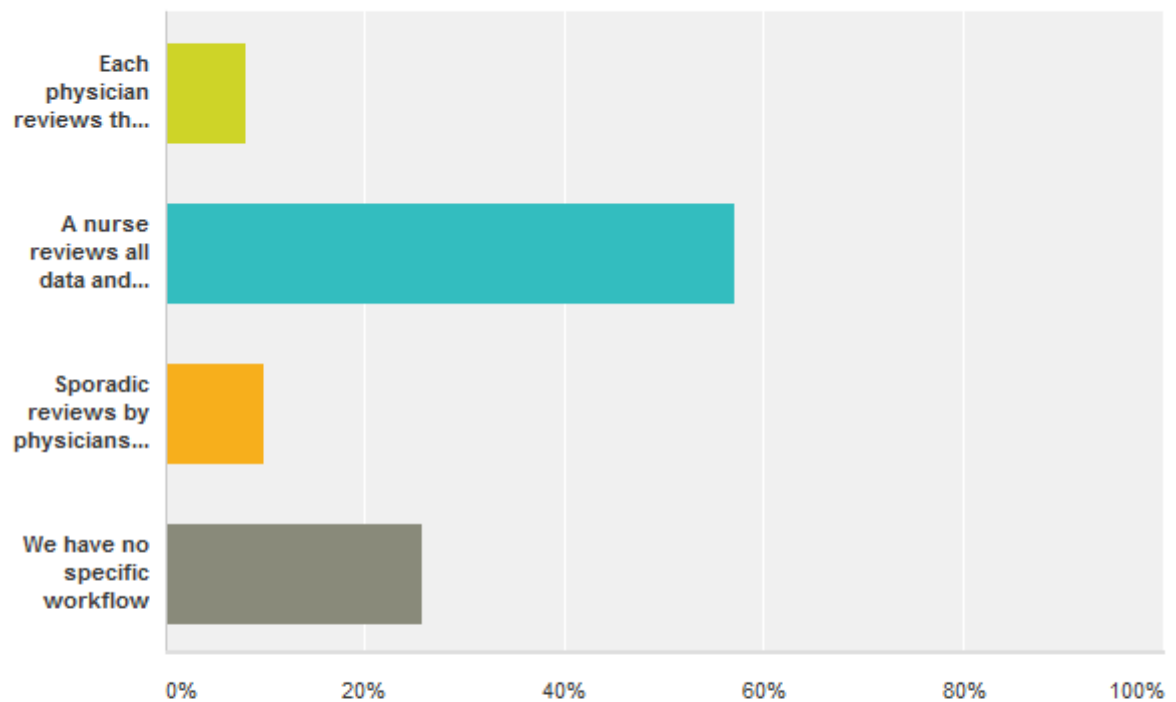
Answer Choices	Responses	
Each physician reviews the data from his/her patients	7.84%	4
A nurse reviews all data and communicates them to the responsible physician	56.86%	29
Sporadic reviews by physicians in charge of devices	9.80%	5
We have no specific workflow	25.49%	13
Total		51

Do you have a specific unit for remote monitoring at your hospital?

Answered: 51   Skipped: 3
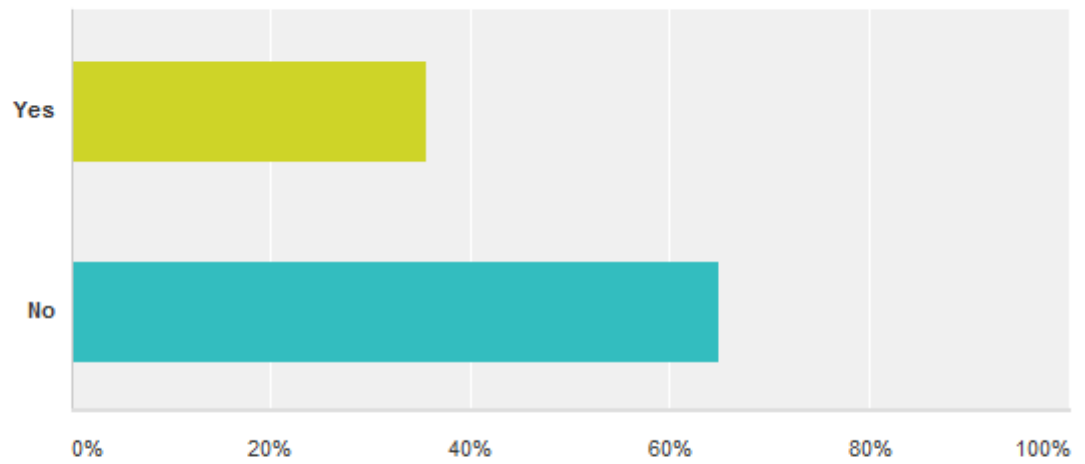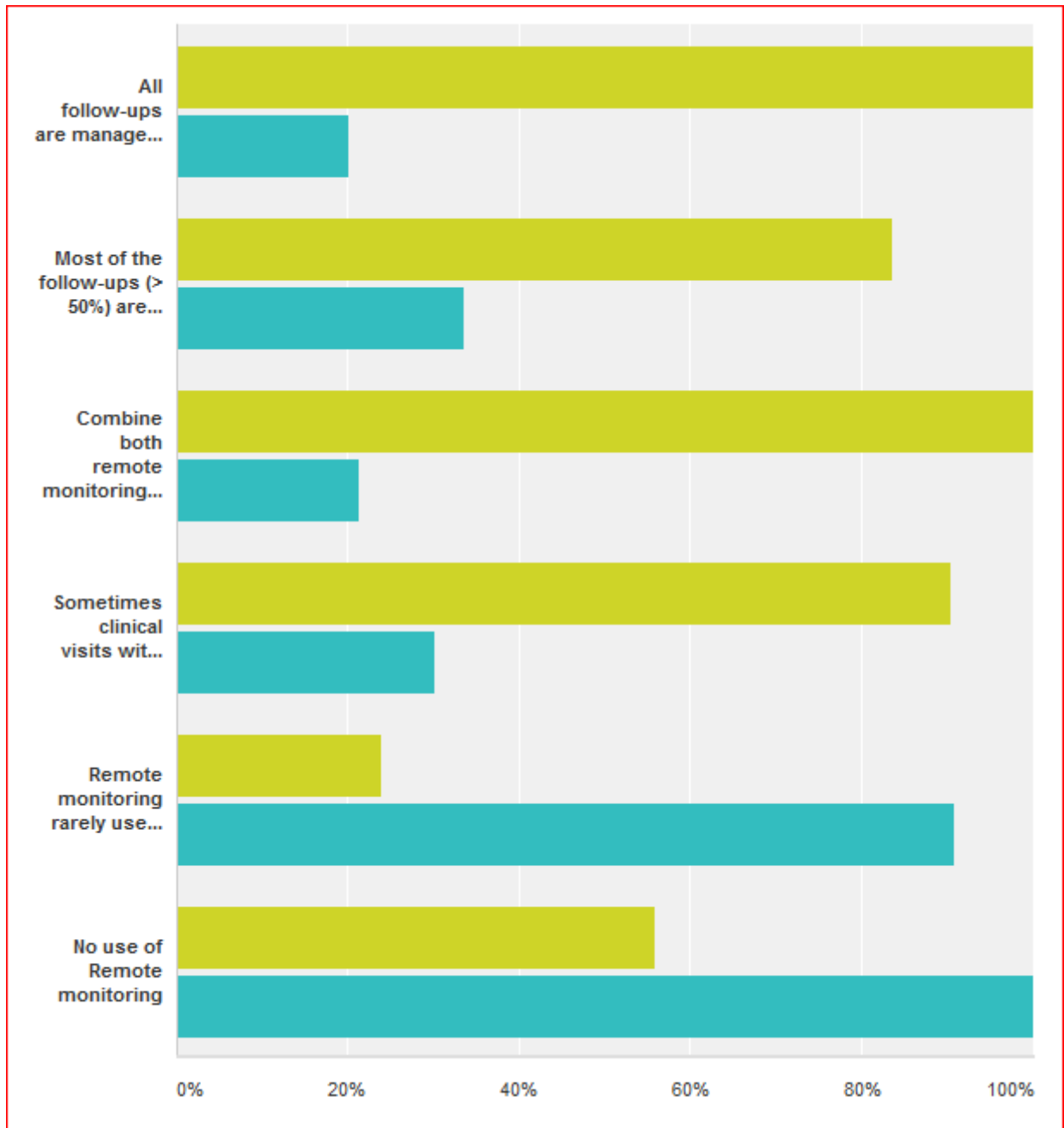

Answer Choices	Responses	
Yes	35.29%	18
No	64.71%	33
Total		51

How is the management of device follow-ups at your institution ?. (More than 1 option per column.)

Answered: 51   Skipped: 3

	For ICD	For Pacemakers	Total Respondents
All follow-ups are managed by remote monitoring, apart from events that make the patient come to the hospital	100% 10	20% 2	12
Most of the follow-ups (> 50%) are managed by with remote monitoring	83.33% 10	33.33% 4	14
Combine both remote monitoring and clinical face to face device controls regularly in a fixed manner	100% 19	21.05% 4	23
Sometimes clinical visits with device management, sometimes remote monitoring	90% 9	30% 3	12
Remote monitoring rarely used, it is not the standard of care	23.81% 5	90.48% 19	24
No use of Remote monitoring	55.56% 10	100% 18	28

Which device is more suitable for remote monitoring in your opinion ?

Answered: 51   Skipped: 3
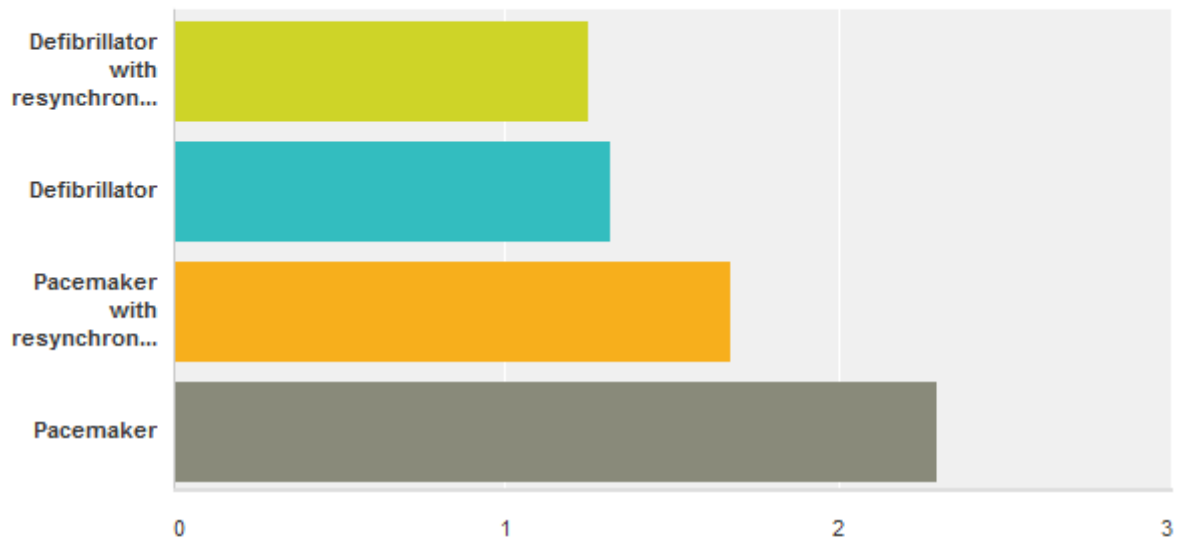
	Top Benefit	Medium	None or very small benefit	Total	Average Rating
Defibrillator with resynchronization therapy	78.43% 40	19.61% 10	1.96% 1	51	1.24
Defibrillator	74.51% 38	19.61% 10	5.88% 3	51	1.31
Pacemaker with resynchronization therapy	43.14% 22	47.06% 24	9.80% 5	51	1.67
Pacemaker	13.73% 7	43.14% 22	43.14% 22	51	2.29

Which patient category with ICD benefit the most/least for remote monitoring.

Answered: 47   Skipped: 7
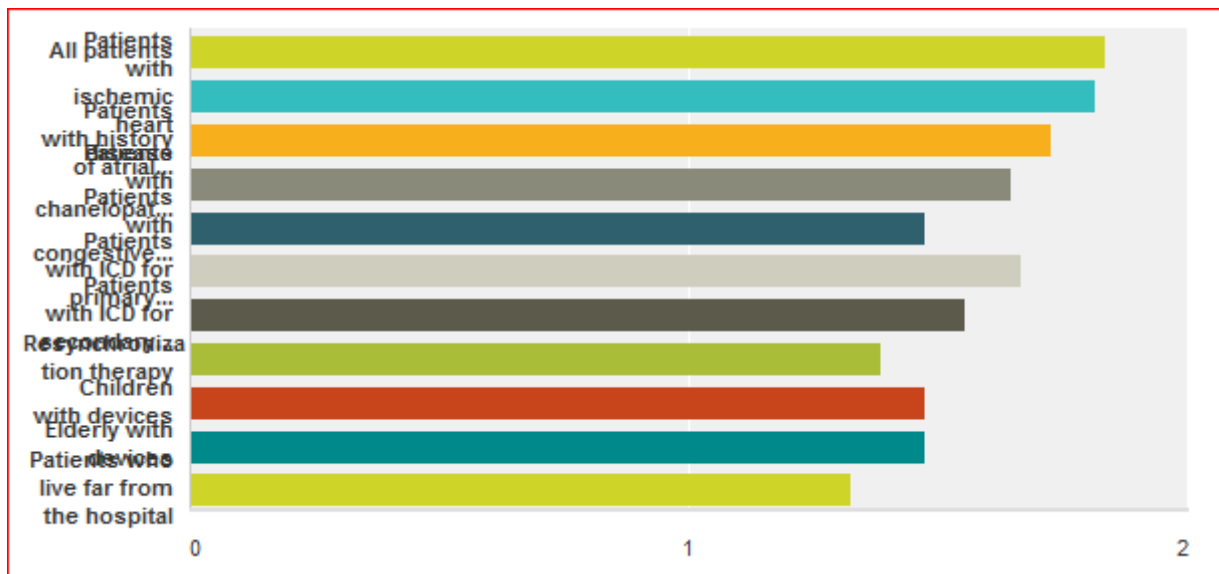
|	Top benefit	Medium	None or vey small benefit	Total	Average Rating
All patients	34.04% 16	48.94% 23	17.02% 8	47	1.83
Patients with ischemic heart disease	31.91% 15	55.32% 26	12.77% 6	47	1.81
Patients with history of atrial fibrillation	42.55% 20	42.55% 20	14.89% 7	47	1.72
Patients with chanelopathies, for example Brugada Syndrome	53.19% 25	29.79% 14	17.02% 8	47	1.64
Patients with congestive heart failure	61.70% 29	29.79% 14	8.51% 4	47	1.47
Patients with ICD for primary prevention	51.06% 24	31.91% 15	17.02% 8	47	1.66
Patients with ICD for secondary prevention	57.45% 27	29.79% 14	12.77% 6	47	1.55
Resynchronization therapy	70.21% 33	21.28% 10	8.51% 4	47	1.38
Children with devices	63.83% 30	25.53% 12	10.64% 5	47	1.47
Elderly with devices	63.83% 30	25.53% 12	10.64% 5	47	1.47
Patients who live far from the hospital	76.60% 36	14.89% 7	8.51% 4	47	1.32

How do your patients appreciate the introduction of remote monitoring for the follow-up ? (Results should sum up 100%)

Answered: 47   Skipped: 7

Answer Choices		Responses	
Percentage of your patients who prefer remote monitoring as follow-ups	Responses	89.36%	42
Percentage of your patients who prefer coming to the hospital for follow-ups	Responses	87.23%	41
Percentage of your patients who accept remote monitoring, but they prefer to continue the visits at the outpatient clinic as well	Responses	85.11%	40
No use of Remote monitoring	Responses	82.98%	39

In your own experience, what is the percentage of major events that are detected earlier by remote monitoring than what would have been the case with regular follow-ups and patient alert systems (ie. that could be undiagnosed for a time before the patient contacted you or came to the hospital to seek attention/revision) (Results should sum up 100%)

Answered: 47   Skipped: 7
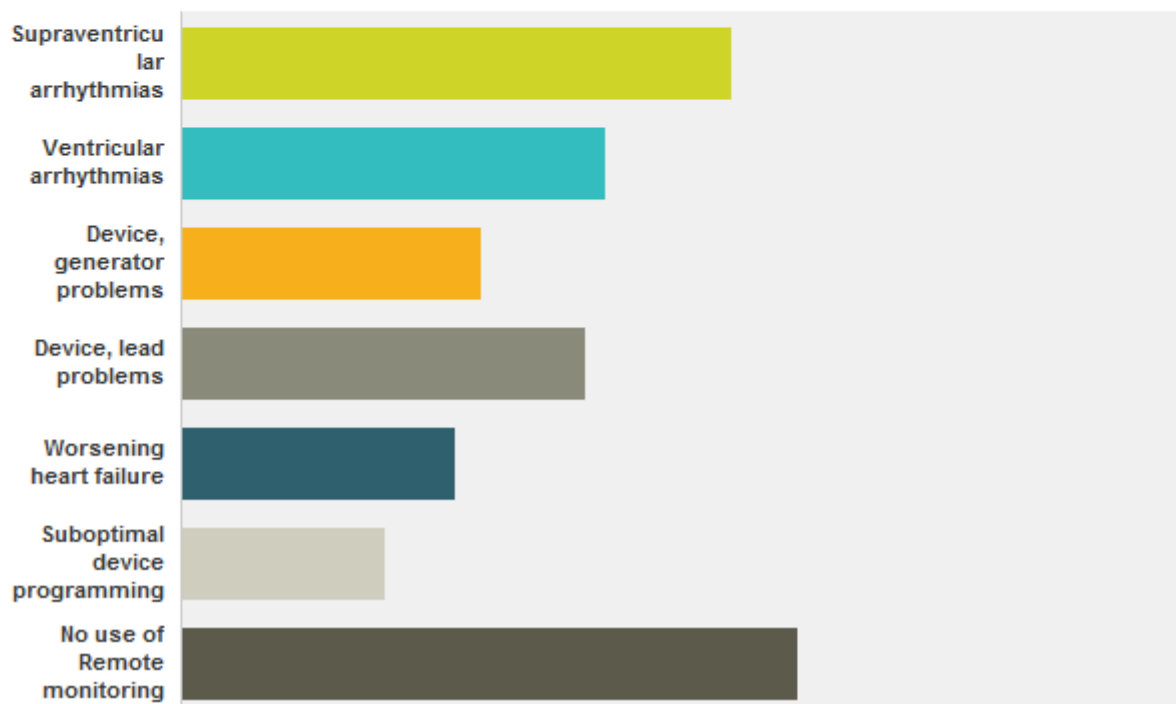
Answer Choices		Average Number	Total Number	Responses
Supraventricular arrhythmias	Responses	27	1,127	41
Ventricular arrhythmias	Responses	21	867	41
Device, generator problems	Responses	15	616	41
Device, lead problems	Responses	20	826	41
Worsening heart failure	Responses	14	507	37
Suboptimal device programming	Responses	10	387	38
No use of Remote monitoring	Responses	31	1,015	33
Total Respondents: 47				

What is the mean reaction time between detection of an abnormality by remote monitoring systems and the time when a measure was taken by the responsible physician observed at your institution and detected? (delay between recording data and the reaction to the problem)

Answered: 47   Skipped: 7
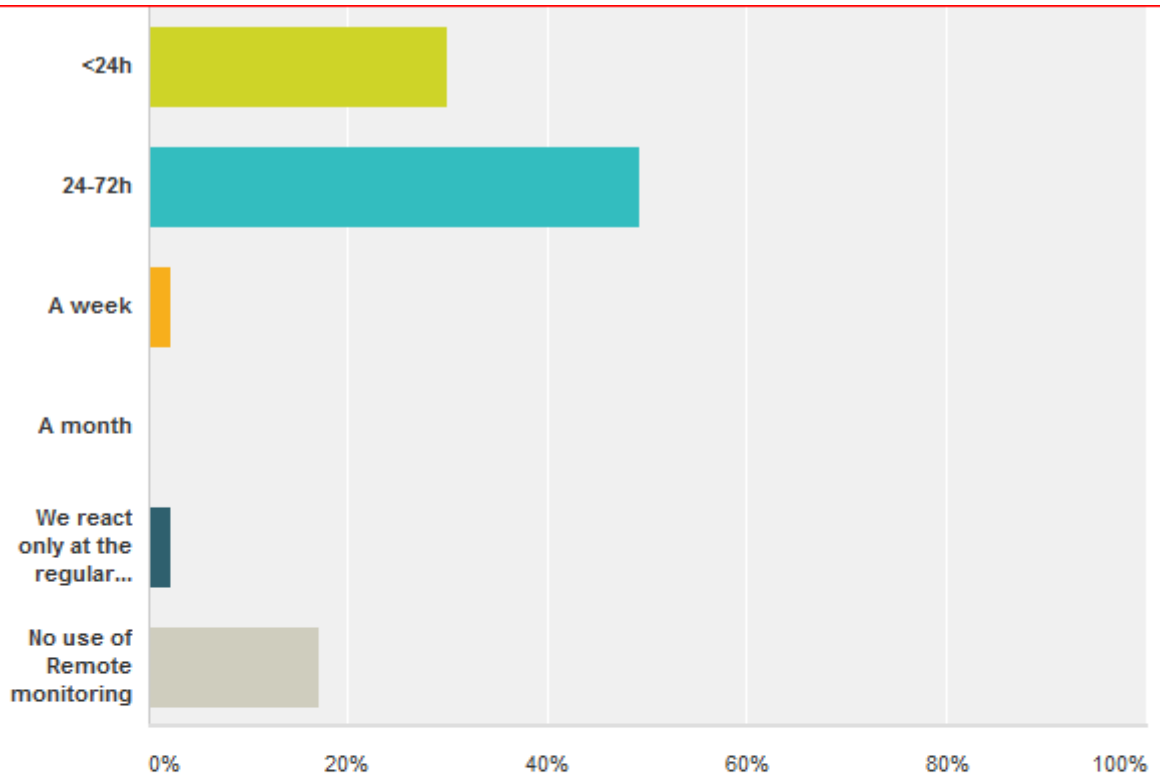
Answer Choices	Responses	
<24h	29.79%	14
24-72h	48.94%	23
A week	2.13%	1
A month	0%	0
We react only at the regular follow up visit of the patient.	2.13%	1
No use of Remote monitoring	17.02%	8
Total		47

What is the percentage of decision-making and interventions performed at your institution based on results of follow up by remote monitoring. It should sum 100%.

Answered: 45   Skipped: 9
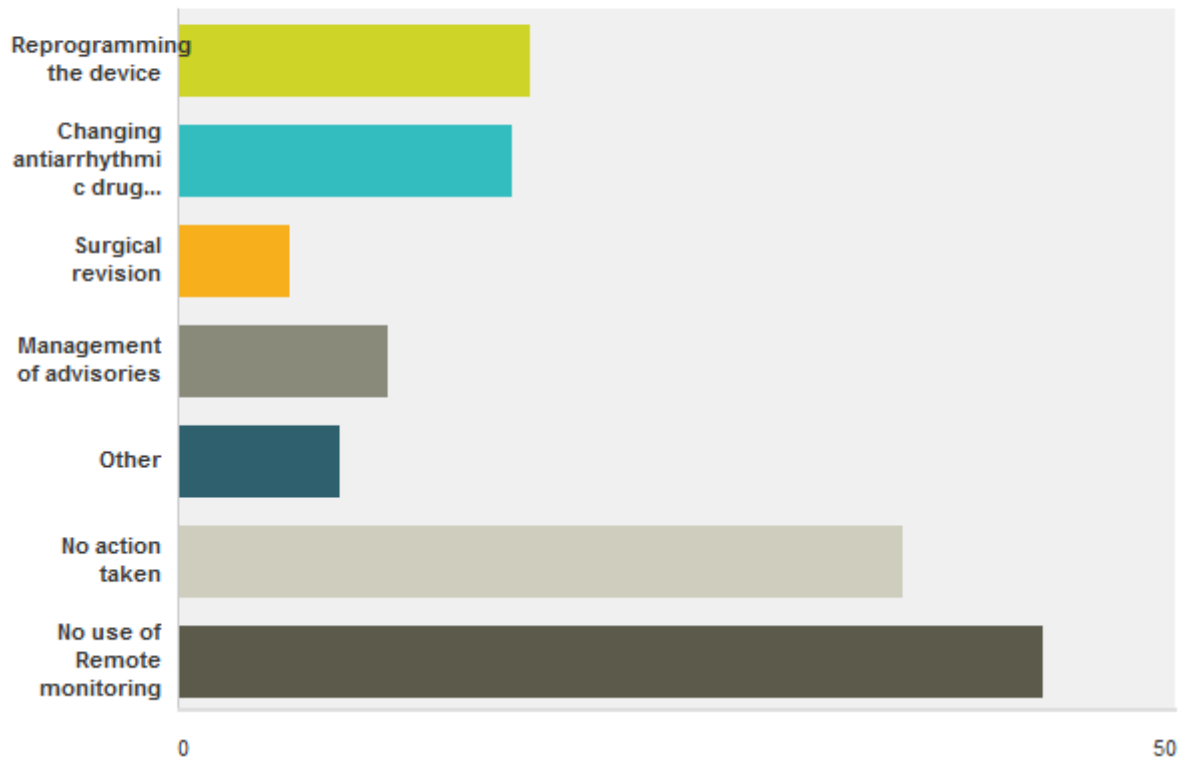
Answer Choices		Average Number	Total Number	Responses
Reprogramming the device	Responses	18	651	37
Changing antiarrhythmic drug therapy	Responses	17	635	38
Surgical revision	Responses	6	195	35
Management of advisories	Responses	10	365	35
Other	Responses	8	250	31
No action taken	Responses	36	1,194	33
No use of Remote monitoring	Responses	43	1,210	28
Total Respondents: 45				

Please score the benefits / negative impacts of remote monitoring that you have experienced at your Institution. Thick the box that suits you best from 1 to 3 : 1 Totally agree, 3 Totally disagree

Answered: 45   Skipped: 9
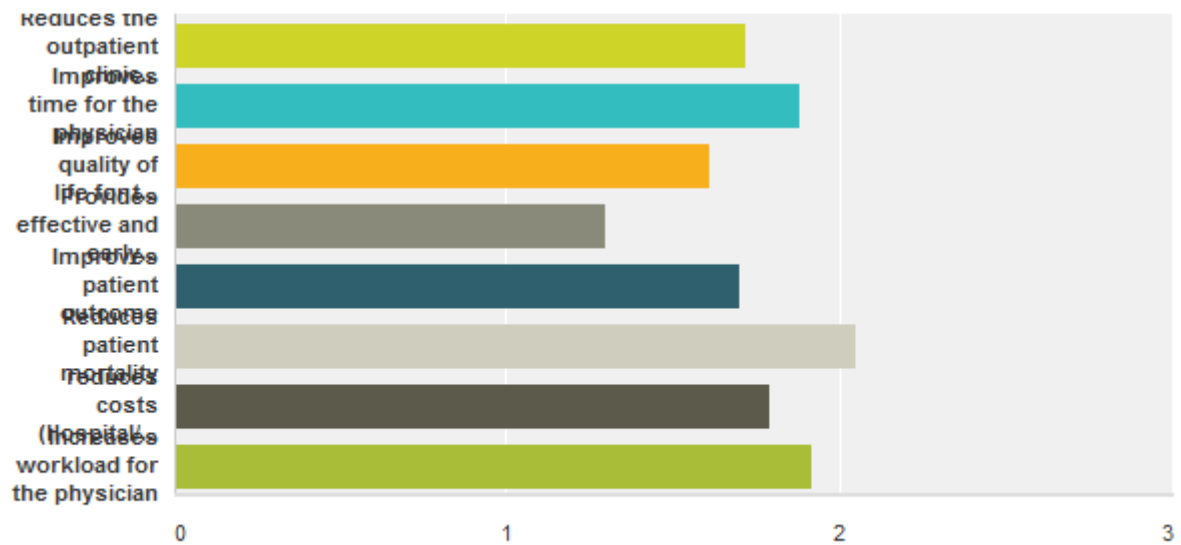
	Totally agree	Partially agree	Totally disagree	Total	Average Rating
Reduces the outpatient clinic workload	44.44% 20	40% 18	15.56% 7	45	1.71
Improves time for the physician	28.89% 13	55.56% 25	15.56% 7	45	1.87
Improves quality of life for the patient	48.89% 22	42.22% 19	8.89% 4	45	1.60
Provides effective and early detection of major clinical events	73.33% 33	24.44% 11	2.22% 1	45	1.29
Improves patient outcome	40% 18	51.11% 23	8.89% 4	45	1.69
Reduces patient mortality	15.56% 7	64.44% 29	20% 9	45	2.04
reduces costs (Hospital/transports...)	35.56% 16	51.11% 23	13.33% 6	45	1.78
Increases workload for the physician	33.33% 15	42.22% 19	24.44% 11	45	1.91

# In your opinion, is remote monitoring cost effective for the Health system?

Answered: 44   Skipped: 10

For ICD   For Pacemaker
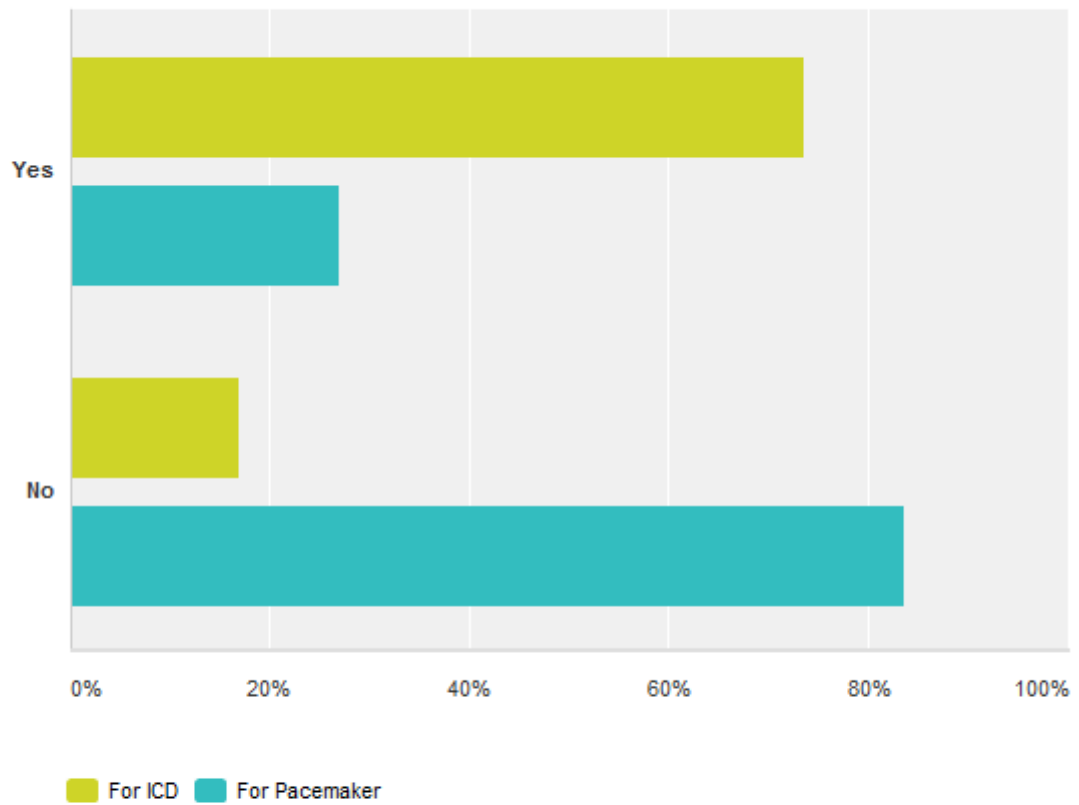
	For ICD	For Pacemaker	Total
Yes	73.17% 30	26.83% 11	41
No	16.67% 5	83.33% 25	30

Have you observed any legal problems related to remote monitoring at your institution?' (ie patient data protection, legal reclamation, medical liability concerns for under diagnosing / not early anticipation of the problems)
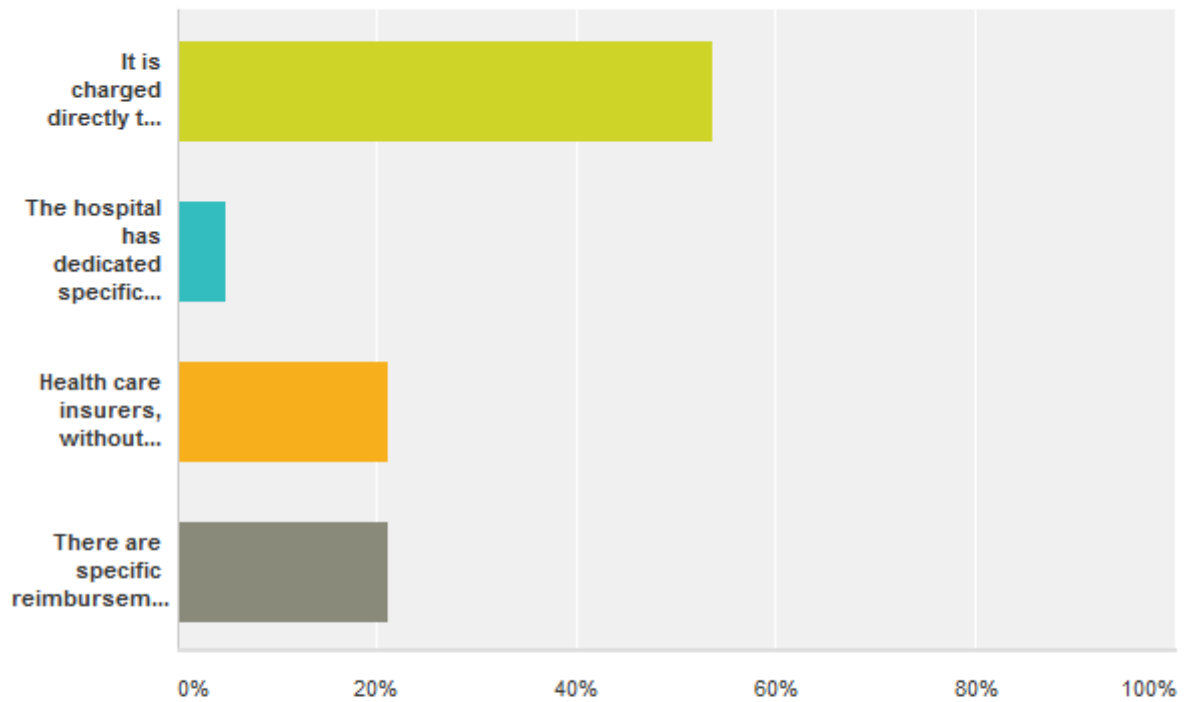
Answered: 45   Skipped: 9
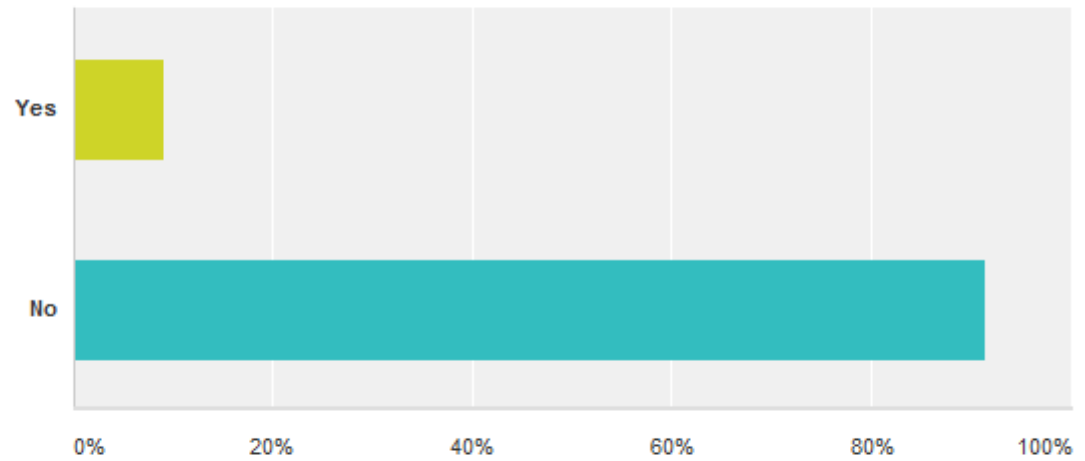
Answer Choices	Responses	
Yes	8.89%	4
No	91.11%	41
Total		45

How are costs covered for remote monitoring at your hospital?

Answered: 43   Skipped: 11

Answer Choices	Responses	
It is charged directly to the overall cost of cardiology/arrhythmia	53.49%	23
The hospital has dedicated specific fundings	4.65%	2
Health care insurers, without specific reimbursement codes	20.93%	9
There are specific reimbursement codes for remote monitoring at my Institution	20.93%	9
Total		43

Would you like to be able to programme the devices remotely in the future ?

Answered: 43   Skipped: 11
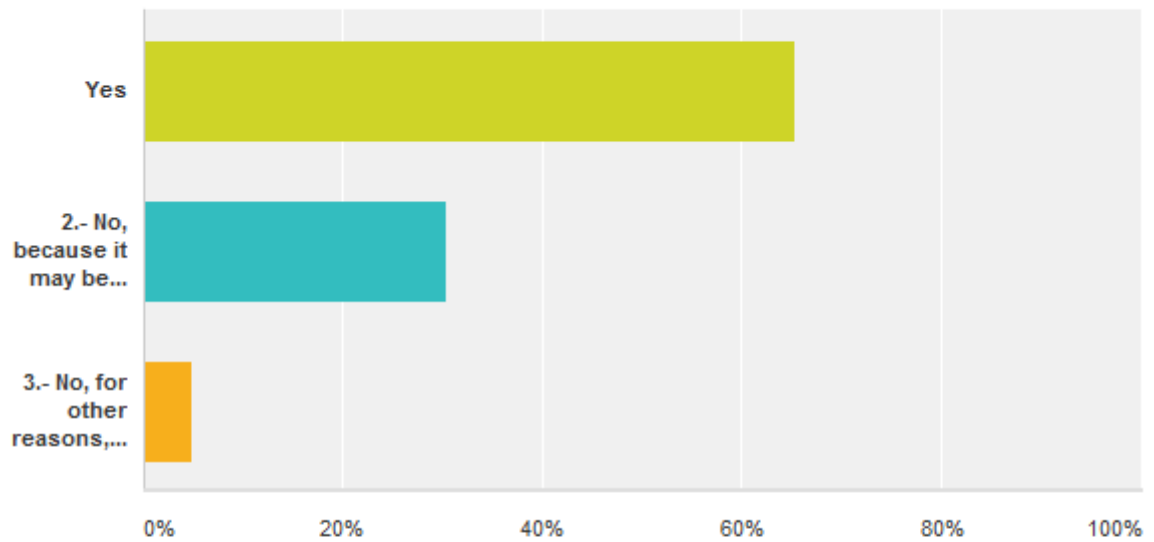
Answer Choices	Responses	
Yes	65.12%	28
2.- No, because it may be dangerous for the patient	30.23%	13
3.- No, for other reasons, please specify :	4.65%	2
Total		43

Comments (2)